at1110paper_practice_test (v110)

1. Solve the equation.

$$(8x - 7)(3x - 4) \;=\; 0$$

2. Factor the expression.

$$x^2 - 4x - 12$$

3. Expand the following expression into standard form.

$$(5x - 2)(5x + 2)$$

4. Factor the expression.

$$9x^2 - 49$$

5. Expand the following expression into standard form.

$$(7x + 3)^2$$

6. Solve the equation with factoring by grouping.

$$15x^2 - 10x - 18x + 12 \;=\; 0$$

7. Expand the following expression into standard form.

$$(4x + 5)(9x + 7)$$

8. Solve the equation.

$$12x^2 + 69x + 25 \;=\; 5x^2 + 3x - 2$$